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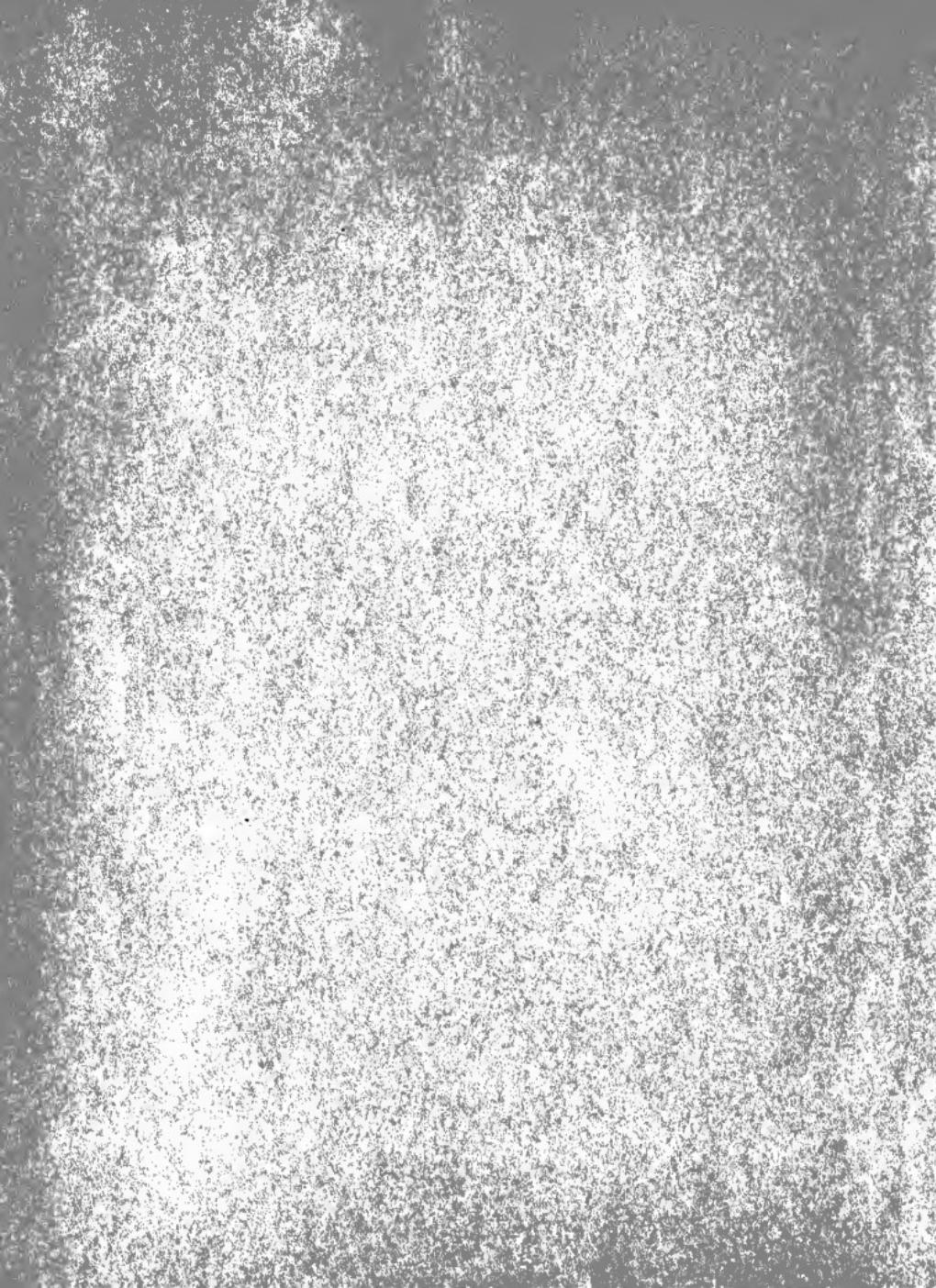
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# LETTERING



# LETTERING

THOMAS WOOD STEVENS

CARNEGIE INSTITUTE OF TECHNOLOGY, PITTSBURGH



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## FOREWORD

**T**HIS book is designed to serve artists, craftsmen and students who have lettering to make. It presents no "system of sign-writing," and brings forward no mechanical method. Its intention is to present good standards in styles applicable to many fields of work, together with brief instructions regarding the drawing of letters.

The text matter is written primarily for the student; the experienced craftsman will not read it. He is only concerned with the examples presented. So we may set down the most elementary matters, explaining the uses of tools and materials, and giving an account of those historical conditions of work which have marked our alphabets. Our object, in short, is to develop the idea of lettering in relation to the element of design, the decorative element, which it contains, and to the historical phases which have made it what it is. Beyond this, we shall try to point out the best manner of executing and using the plainer forms.

Many of the drawings and certain parts of the text appeared in a previous work, now long out of print. The author is still grateful to the artists who contributed them, and newly grateful to those who have added fresh work to the present issue.

A special acknowledgment should be made to Mr. Harry Lawrence Gage, head of the Department of Printing, Carnegie Institute of Technology. Mr. Gage has applied himself to the making of many new drawings, diagrams and alphabets; has contributed many vital ideas to text and arrangement, and has brought to the work patience, learning and high craftsmanship.

T. W. S.

NEW YORK  
LONDON  
MUNICH

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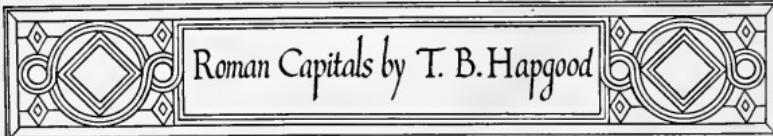
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LETTERING

FIGURE 1

A B C D E  
F G H I J K  
L M N O P  
Q R S T U  
W X Y Z &



THEODORE BROWN HAPGOOD

*Roman Capitals with a strong classical feeling*

# LETTERING

## CHAPTER I

### *Tools and Materials*

**I**N LETTERING, as in any other task requiring skill, the abstract matters of style and principle are difficult to remember unless they are immediately put in practice. Good tools with which to work, and respect for them, must be assumed at the outset.

The necessary implements for good lettering include only a pencil, ruler, pen and ink. But as the accuracy of the work depends on accurate guide lines, a drawing board, T-square and triangle should also be included in the equipment; they save time, and give to the student a desirable sense of security. A water-color brush and some moist white are useful for correcting; and orange-vermilion water color for rubrication. One should see to it that the drawing table is firm, and so placed that the paper is well lighted; this is important, since the drawing of letters requires an exacting use of the eye sight, and should be undertaken only under good lighting conditions. Ruling pens, dividers, and other draftsman's instruments are sometimes convenient, but seldom necessary.

The kind of pen best suited to the student's personal use can only be determined by experiment. It must be fine enough to make letters of the size desired, but not fine enough to cut into the paper, and not too stiff. Annealing in the flame of a match or a gas jet will usually make a stiff pen flexible enough. Wide pointed pens are frequently useful for large letters and directly written forms. The question is one for trial rather than prescription; some artists succeed in making beautiful letters with a broken tooth-pick.

A water-color brush that comes to a fine point when dampened is good for inking large letters, but requires much practice for small work; it may be used with advantage on heavy-faced letters more than an inch high. The edge of a brush stroke is smoother than a pen line, so that brush letters, when much reduced by engraving, are likely

to show a mechanical character. Where the work is large and heavy, however, the brush covers the ground much faster than the pen.

Any paper with surface hard enough to take ink without blotting may be used. The rougher the paper, the rougher the line; also, as a rule, the stronger in character. For accurate, formal lettering, and for practice work, where close study of the drawing is desirable, hard-surfaced bristol board is best. The heavy, sized hand-made papers, such as Whatman, serve many purposes. The paper should take pencilling well, stand many erasures, and carry ink without spreading.

Drawing pencils should be free from grit, and the degree of hardness should be adapted in measure to the size of the work in hand, hard pencils being used for small forms, and softer ones for large. Very soft pencils tend to produce quick effects, but inaccurate drawing; too hard leads give a thin and stringy appearance that sometimes persists, in the shape of angular and unsympathetic edges, after the inking is done.

Any of the carbon drawing inks, or hand-ground India ink, will serve. The fluid must stay black on the thinnest line, and must flow with freedom. Where work must be lingered over, and may suffer from moist hands, water-proof India ink has obvious advantages.

Orange-vermilion water color may be substituted for ink where letters in red are needed. It may be applied with a brush, or used as ink, the pen being filled from the brush as it becomes dry. Red characters made in this way have a good body of opaque color, and serve as well as black for engraving.

Good hand-drawn letters may be put to a great variety of uses. The most common of these as well as one of the most exacting, is drawing for reproduction by the ordinary zinc process. If a student learns to execute a good piece of work for this purpose, he will probably have mastered all the practical difficulties. Hence, in the following pages, attention will be given to methods adapted to ultimate use on the printing press, in the belief that other necessary points will be covered in this way. If you know a given letter thoroughly, and can draw it acceptably a half-inch high, you need only a little practice to put it on a sign or a black-board with equal facility.

In using the tools named for the purposes suggested, it is well that the student understand one fact: all lettering may be divided, according to the method of its making, into two classes—*built-up*

A B C  
D E F G H  
I J K L M N  
O P Q R S  
T U V U I W  
X Y Z

Roman Capitals from Renaissance sources. Small letters to correspond are shown in Figure 39

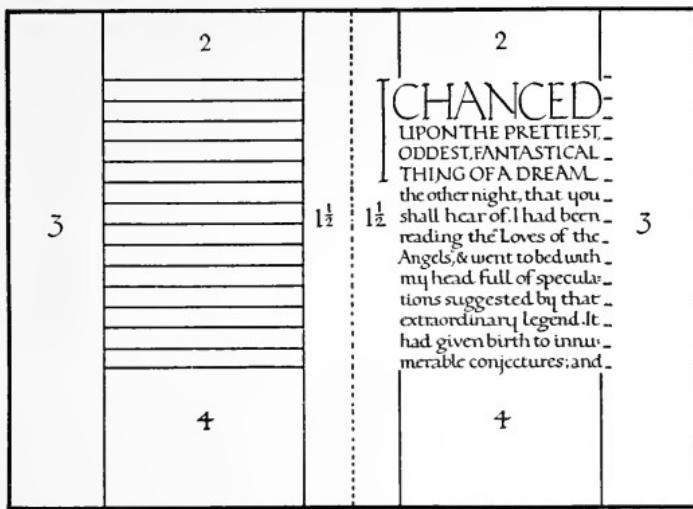
HARRY LAWRENCE GAGE

lettering and *written* lettering. Most of the work which finds its way to the printed page is of the built-up variety. This means that the individual forms have been drawn with the pencil, and then carefully filled in with ink. The written variety is that done either directly with the ink, or carried out in single strokes over pencil indications; it is obviously the more rapid, informal and difficult sort. The written style comes down to us from the calligrapher; the built-up from the engraver. For purposes of study it is obviously best to begin with the built-up letter, since in this the attention is concentrated on patient drawing, learning the precise form, rather than upon freedom of stroke and energy of style.

*The PRAIRIE PRESS*  
*CREATIVE PRINTING*  
  
*DECORATIONS*  
*& HAND LETTERING*

FIGURE 3

CHARLES H. BARNARD



Verso page

Recto page

The recto page illustrates a method of commencing a book in capitals conforming to the writing lines. The lines may be indented with a stylus or ruled with a hard lead pencil.

POETRY may appropriately be given slightly wider margins than prose—"FINE" writing, the lines of which are usually widely spaced, demands wider margins than "massed" writing, which is heavy & has the lines closely packed.

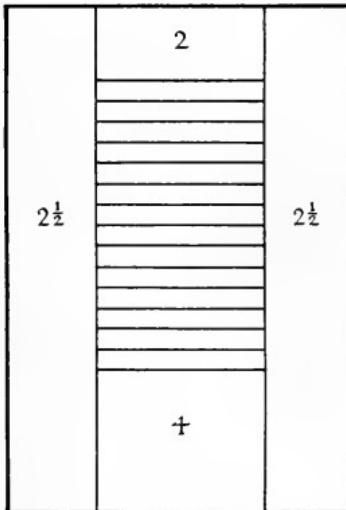


FIGURE 5

A B C D E  
F G H J K I  
L M N O P  
Q R S T U  
V W X Y  
& J Q R Z

CHARLES H. BARNARD

*Modern Roman Capitals. For small letters see Figure 41*

## CHAPTER II

### *The Drawing of Letters*

**T**HE beginner should bear in mind that he is not called upon to design letters. That part of it is done — has been done for centuries.

The alphabet is a series of shapes which have meaning and use because we all recognize them. Meaning and use are taken away when these shapes are changed and tortured out of our immediate recognition. While it may of course be possible to improve these forms the student does well to consider how many great designers have accepted them as they are. But to use letters they must be drawn, and to do this their forms must first be learned. Thus the problem is simplified. You have only to learn them and draw them.

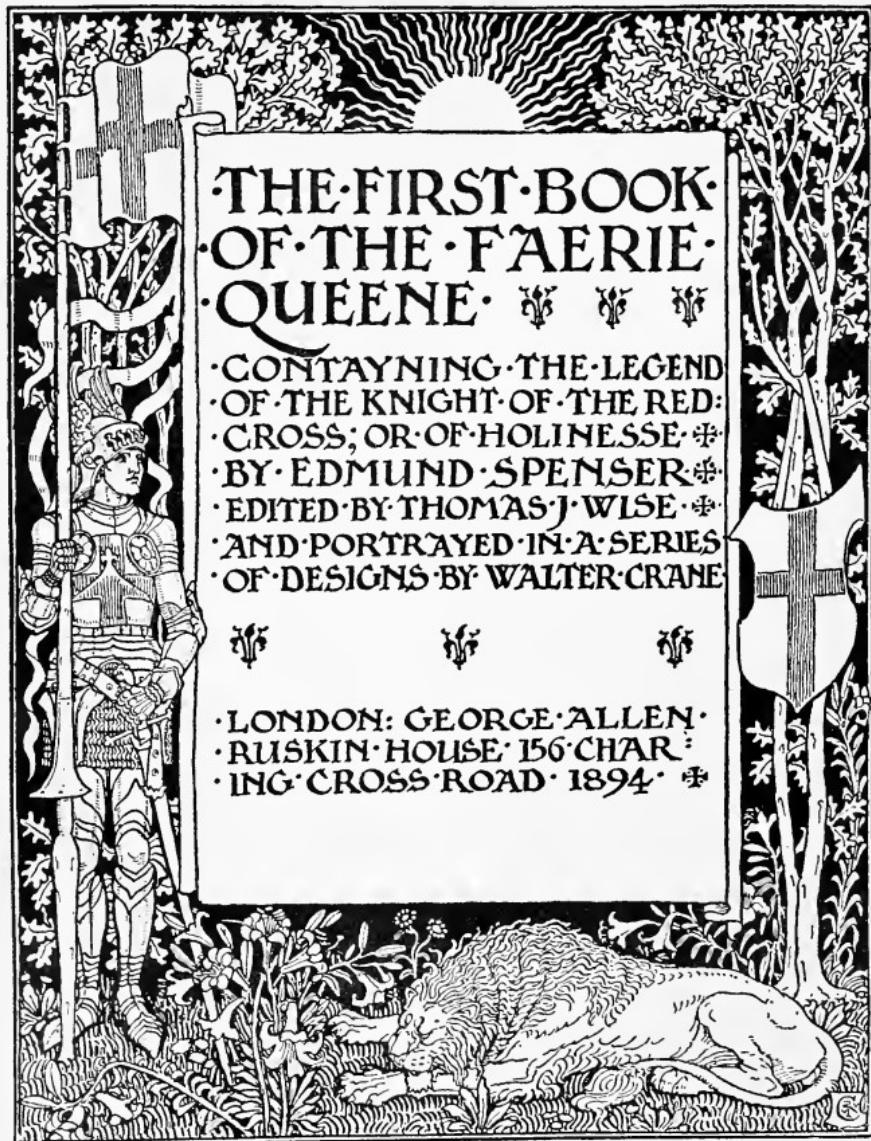
It is an excellent practice to draw the letters in the formations of words, rather than as alphabets. The simplest task of all, then, is to draw one word. We will assume for the sake of illustration that the word is "POEMS"; that it is to fit into a title page, and that it may be, in the drawing, about an inch high. Further we will assume that it is to be done in capitals of Renaissance Roman style.

We have here the copy, or letters to be executed; the size, and the style of letter. Turning to Figure 2, we find an alphabet from which, for the present, we may be content to accept the letter forms, limiting ourselves to the questions of drawing, spacing and inking.

With the T-square, pencil accurate horizontal guide lines one inch apart and at least five inches long. Into this space the work is to be fitted.

Now draw a few verticals, free-hand, between the guides. If these are not accurate, when tested by the triangle, it means that some practice of this sort will be necessary. Meanwhile, draw at random a few true verticals with the triangle, and referring to Figure 2 for the forms, sketch in the letters of the word.

The mechanical verticals will be of no assistance in spacing, but they will afford, at intervals, a convenient guide, and will prevent the sketched letters from acquiring a slant in either direction. Draw very loosely at



WALTER CRANE

*Title page showing a written letter in relation to pen drawing*

first, and feel for the position of the letters, rather than for their precise form. This having been done carefully, the work will resemble Figure 6.

Examine the word at this stage for possible errors in drawing. See that you have allowed each letter a proper width, according to the alphabet chosen — not each letter the same width. See that the heavy strokes are all of the same thickness, the light strokes similarly uniform. Examine the word as a whole, but remember that the drawing must be done one letter at a time.

Clear away the superfluous lines, draw out the curves and serifs (the serifs are the little cross lines that define the ends of the strokes) with care, and you have something like Figure 6. This pencilling should at first be done with great care. Upon it will depend the accuracy of the final work, and any errors will only be increased in the inking.

Assuming that you have drawn the letters carefully, and spaced them reasonably, the word is ready to be inked. Here you must pause and consider carefully: have you drawn the letters so that the inside of the enclosed space represents the form, or the outside? Test one of your letters by carefully blackening it over with the pencil; it is very likely to appear too heavy. This gives one a clue to the reason for not inking the outlines first and filling in the spaces afterward. The fact is that the eye can with difficulty make an accurate judgment while it must add together the width of the outlines and the white space enclosed, and compare the sum with the sum in the next letter.

In inking built-up letters, begin with a full rough stroke between the outlines; this, since it does not reach the bounds on either side, cannot be far wrong. From this stroke, work out to one of the edges, drawing the loose ends of your lines inside, and working the wet ink against the one edge you are striving to correct. When you have reached this edge, you should have it fairly true, since all the work of filling the black space has been in the direction of correcting the first rough line. Now work toward the other edge, correcting in the same way, and being vigilant lest the stroke as a whole become too wide.

If you have difficulty in drawing the right hand edges true, and are working on a small board, turn the board around. Bear in mind all the time that you are drawing to fill and correct the first stroke, and that you have the pencil line for a guide the while. The only error you can logically make, barring accidents, is to get the stroke too wide, and against this you are doubly warned.

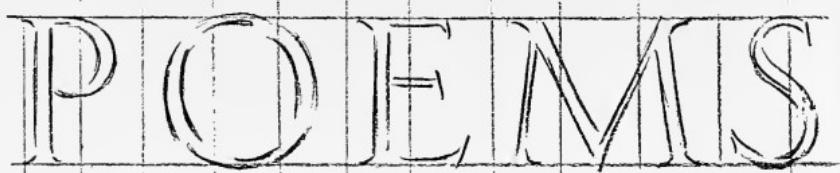


FIGURE 7



FIGURE 8



FIGURE 9



FIGURE 10



FIGURE 11

Diagram showing progressive steps in drawing and inking. Lettering should be inked by masses and edges—not by outlines. Lower line shows the effect of lettering on rough paper

When the stroke is done, go on to the next, finishing up each letter as you go. After much practice you may find it more rapid to leave all the serifs to be finished at once, with the board in a convenient position. When beginning, with only one word to do, finish as you go, but refer continually to the first letter, making no stroke thicker than the vertical elements in that.

When the ink is dry, and the pencil lines cleared away, you have something resembling Figure 10. The same pencilling, inked loosely on rough paper, will give something like Figure 11.

Thus far we have considered only the problem of drawing the letters, and have said nothing about their principles and characteristics. The drawing should be, for the present, only a method of study, the matter of which begins with the next chapter.



SPACING

FIGURE 12

FIGURE 13

A B C D E  
F G H I J K  
L M N O P  
Q R R S T S  
T U V W Q  
X Y Y Z &

HARRY LAWRENCE GAGE

*Roman Capitals written with a wide pen. For small letters see Figure 46*

ABCDEFGHIJ  
 KLMNOPQRS  
 TUVWXYZ &  
Alternative forms  
 JGMNTUVWY

## EXAMPLES OF DECORATIVE WRITING.

Lines of writing may be widely spaced to allow for long ascending & descending strokes. The serifs should be strongly marked & those in the top & foot margins may be flourished. Upright writing may be treated similarly, but the letters should be shaped more precisely. Serifs may be formed as in this example.

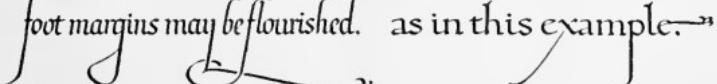


FIGURE 15

A B C D  
E F G H I  
K L M N  
O P Q R S  
T V W X  
Y Z J U U

T. W. S.

*Roman Capitals adapted from coins and medals*

## CHAPTER III

### *Roman Capitals*

**M**OST modern work in lettering requires the use of Roman capitals, and since all the other forms the student is called upon to draw are descended from these capitals, the study of letter forms should begin with them. A few facts about the history of the Roman letter should be understood, since these facts bear directly on the drawing of the letters, and explain some characteristics that might otherwise seem arbitrary or puzzling.

The Roman capital form was taken over, with some radical changes, from the Greek, and was used by the Latin scribes in copying great libraries during and after the Augustan age. It varied, under this use, as widely as hand-writing varies in any period; but it served for the ready production of clear copy in the ancient manner, without punctuation or separation of words.

The scribes wrote with soft reeds, dipped in ink and held vertically. The reed was sharpened to a flat or chisel point. This determined the direction of the heavy strokes in each letter, making the first (upward) stroke of the A light, the second (downward) heavy, the cross-bar (horizontal) light, and so on through the alphabet. This distribution of heavy and light strokes, of which we shall have occasion to speak further, was finally determined by the practice of the reed, and the student has only to learn it, since he cannot abrogate it.

As written with the reed, the style of the letters varied widely. But when the Roman builders, with their strong sense of the monumental and significant, took the letter and spread it in stately inscriptions on triumphal arches, it took a character from the stone, crystallizing into a marble perfection. And because you cannot draw a V-shaped incision in stone to a square end that will define itself by its shadow, as a monument letter must do, the classic craftsman added the serif. This was at first a simple chisel cut across, following the scratched guide-lines, and defining the end of the stroke. But the serif soon came to be made of two minor incisions

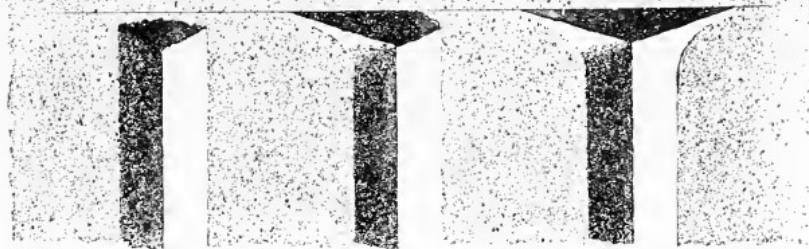


FIGURE 16. *The formation of the serif by right and left chisel cuts in an incised Roman*

(see Figure 16) and to have a certain proportion to the letter itself. Thus another lasting characteristic was added to the Roman form.

To make their letters carry by shadows, the Roman stonecutters sometimes cut their outlines very wide. The craftsmen of the Renaissance, using the letter more intimately, in metal and on works of smaller scale, remedied this. So the record runs: the Roman letter was evolved from the Greek; the Roman scribes gave it its typical design, and settled the direction of its accents; the Roman builders gave it its serifs, and a more severe architectural form; the Renaissance craftsmen gave it delicacy of drawing and freedom of application; and from them it came into the craft of printing, almost as soon as the new craft had birth.

By making a few letters with a broad stub pen, one can easily trace the effect of the flat-pointed reed on the direction of the accented strokes. It is clear that the reed made rules for the writer; when the letter took its place in inscriptions, no alteration from these rules was possible. The accent had become part of the style.

The principles of accent are these:

All horizontal strokes are light.

All strokes sloping upward from left to right are light, except the middle stroke of the letter Z. (In this case the reed had to be turned, and the stroke was really made downward from right to left.)

All strokes drawn downward with the reed are heavy. These include all strokes which slope downward from left to right, and all vertical strokes except the verticals of the N and the first vertical of the M (which were originally drawn upward).

The swell or accent on a curved stroke follows the general principle, the O, for example, being heavy on the sides and light across the top and bottom.

The old alphabets contain no special form for the J and U. In supplying them we follow the principle, making the first stroke of the U downward (heavy) and the second upward (light).

Thus the ancient manner of drawing them gives us an exact principle for accenting the letters. Similarly, if one bears in mind the origin of the serif, one is likely to draw it with some grace, giving it the sharp distinction of the chiselled cut, and rounding it into the vertical without awkward angles or undue mass.



FIGURE 17. *Diagram showing structural differences between letters of similar shape*

The serif gives to the letters in each line a common base — insisting upon the uniformity of the foundation. The fact that each letter has at least one heavy stroke, and that these strokes are placed in a definite and recurring relation to the light strokes, tends to give a formal harmony to the inscription as a whole. Beyond this, the width of each letter is determined by its shape — by considerations of design. Certain mechanical contrivances, the typewriter, for example, may require that each letter approach as nearly as possible to the same width; the result is always to the disadvantage of the style.

If we cease to look at the letters as symbols, but as twenty-six repeating elements in a curious band of design, we see at once that each should be given space according to its degree of complication, the interest of its shape, and its value as a rhythmic part of the whole.

There is no criterion above the practice of the great designers to determine the space due to each shape, so that each letter shall have a reasonable width for its characteristic form. For the Roman letter, Durer, Della Robbia, Serlio, and a thousand nameless craftsmen of the past five centuries, have worked out and judged the proper proportion.

From the best work we note a general classification of letter widths.

Thus letters which divide horizontally the space they occupy, enclosing or partially enclosing areas about half their height, are narrow; this includes B, E, F, K, P, R, and S. Looking at them as design elements, this is easily explained, since these small enclosed areas should obviously not be allowed to take shapes at variance with the general shape of the band. The lobes of the B, if the letter were drawn wide, would cease to bear any harmonious relation to the similar but larger shape of the D. The K and R, by the extension of the swash tails, may be made to fill a wide space where needed, however. The I, L, and J are also classed as narrow, though the I and J always require, in use, a little extra white space at each side.

W and M are extra wide. All others are of full width, though not mechanically equal. The round letters, C, D, G, O and Q, should always be given full width to avoid cramping their generous curves; the variations of the others from the O are indicated in Figure 17. Each develops, in the best lettering, its own curve, adapted to its own shape but consonant with the other curves in the alphabet. These round letters have the advantage of spacing closely, to make up in part for the ample width they require within themselves.

AN  
ALPHABET



A B C D E F G H  
I J K J K L M  
N O P Q R S Q  
R S T U V W  
X V V X Y Z



ROMANE SQUE

HARRY E. TOWNSEND

*Modern Roman Capitals. For small letters see Figure 51*

In height also a slight variation is necessary. A sharp point, such as the base of the V, will not seem to reach the base line unless it is actually drawn slightly beyond it. On account of this appearance—a mere optical illusion—the A (except where a serif is provided at the top), M, N, V and W all cross the guide lines at their points. The same is true in a less degree of the round letters. But the effect must be executed with care; only a slight extension is required to correct the appearance when the guide lines are erased.

Good Roman lettering has a strong sense of stability; this is sometimes subtly increased by certain details in the drawing, such as rounding the horizontal into the vertical at the base of the D, and leaving the upper junction square inside; a similar step being taken with the E, L, and B.

An examination of any of the formal alphabets will show that the distribution of heavy and light strokes provided for by tradition will never allow two heavy strokes to be joined without the intervention of a light one (as in the K, where the swash tail takes off from the light upward stroke, not from the vertical). This effectively prevents any spot of black being heavier than the downward stroke, and maintains an even "color" throughout an inscription.

For the exact proportions and forms of the letters, one must study, drawing and re-drawing, the best models. In these it may be noted that the width of the heavy stroke is about one-tenth the height of the letter, the light element being two-fifths to one-half as wide as the heavy one. Mechanical measurements are of little value. The student should be able to judge for himself the best proportions, and should practice until this judgment comes easily to him.

The correct spacing of formal Roman capitals requires the utmost care, since here again there is no mechanical method. The space between the letters of a word should be judged by the area of white, not by the distance along the guide lines. This area varies in shape, and the eye takes account of the irregular intervals by averaging them roughly. Imagine the letters raised and a viscous fluid poured between them; the shapes it might cover, never running into the corners nor invading far the narrow openings, would be the effective areas of white. Figure 12 illustrates the point. The single stroke letters, I and J, require extra space; the round ones can be closely fitted; the normal space falling where two vertical-sided letters come together.

The space between words should be about the width of the narrow

A B C D E  
F G H I  
J K L M N  
O P Q R  
S T U V W  
X Y Z &

WAD

WILLIAM A. DWIGGINS

*Modern Roman Capitals—a very personal alphabet*

letters; but if the letters within the words are loosely spaced, this must be considerably increased. The wider the spacing, both of letters and words, the more white must be left between lines. If the spacing is close, one may bring the lines as close together as one-fourth their height.

The conditions of the problem usually determine the length of the line; the number of words in each line is determined by the copy, or wording to be lettered. It remains for the designer to determine the size, or height, of the letter to be used. In Roman capitals, the height may be roughly estimated by dividing the length by the number of letters—that is, allowing a square for each letter and space. This does not work out exactly, however. If not many narrow letters occur in the copy, it may prove necessary to reduce the height of the line. In fact, the student should bear in mind that the height of the line determines the practicability of any given arrangement, and that it is better to change it at once than to spend hours in a vain effort to make thirty letters go where there is room for only twenty.

In drawing a long inscription, you have of course the advantage of a naturally flexible medium; each individual character may be imperceptibly narrowed or widened, and its form may, within certain limits, be changed to fit the space. In an informal inscription it is quite permissible, for instance, to save space where an A follows an L, by taking up the foot of the A and moving it bodily to the left until the raised foot overlaps the base of the L. Other combinations are shown in Figure 94.

In taking liberties with the forms of the letters, for the sake of a more compact spacing, one is only following the tradition of the Roman, and nothing new is likely to result. One of the charms of old lettering is its freedom. Many of the results of this spontaneous craftsmanship are no longer useful, since the eye of the reader has become so accustomed to the regularity of type that the freer and more unusual forms are no longer legible.

When formal Roman capitals are called for, the inscription is usually important enough to make necessary a high standard of execution. Hence practice work in solid capitals has a special value. The form of the letters, making a rectangular shape of each word, shows that no looseness of arrangement will be appropriate. The difficulty of rendering the letters free-hand should always be frankly met; and in practice it is best to work out a specific inscription, to fit a particular space, and to attack it as though for actual use.

A B A C D  
E F G H I J  
K L M N  
O P Q R  
S S R T U  
V W X Y Z

FIGURE 23

A B C D E F  
G H I J K L  
M N O R Q  
P S T U V W  
W X Y Z &

The Reign of  
KING COLE

*Capitals after Charles Robinson. For small letters see Figure 54*

A B C D E F  
G H I J K L  
n o p q r  
s t u v w  
x y z 6  
G E R M A n  
1 5 4 3 2 7 8 9

NED HADLEY

*Capitals and Numerals adapted from modern German sources*

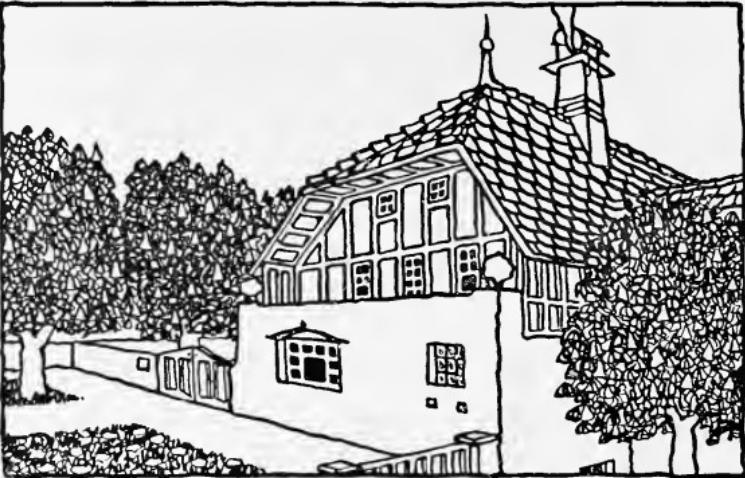
FIGURE 25



MODERN - FREE  
HAND - LETTER  
GERMAN - ABCI  
DEFGHJKLALNO  
PORSTUVXGYZ  
INTRODUCING  
VARIETY - AND  
CHARACTER -  
IN - CAPITALS

HELEN E. HARTFORD

*Accented modern German Capitals*



EIN RICHTIGES WOHN:  
HAUS SOLL KEIN PALAST  
SEIN E BAUET EUERE  
ZIMMER NICHT MIT FAL-  
SCHEN PRUNK · MIT GEI-  
STIGEN EIGENTUM VON  
FÜRSTEN ALS BETTLER  
DIESER GROSSEN · BAU:  
ET NACH EUEREM BEU:  
TEL UND VOR ALLEM  
□ NACH EUEREM HERZEN □

RUDOLPH VON LARISH

*Outline Capitals in relation to architectural rendering*

A B C D E  
F G H I J  
K L M N  
O P Q R  
S T U V  
W X Y Z

NORMAN P. HALL

*Heavy modern Roman Capitals. For small letters see Figure 53*

A B C D E F  
G H I J K L O  
M N P Q R S  
T U V W E  
X Y Z & J O

ALPHABET  
FOR BRUSH PEN  
OR QUILL

T. W. S.

*Capitals derived from small letter forms*

A B C D E F  
G H I J K L M  
H O P Q R S  
T U V W X Y Z

a b c d e f g h  
i j k l m n o p q  
r s t u v w x y z

1 2 3 4 5 6 7 8 9

FORREST C. CROOKS

*Modern Capitals, small letters and numerals designed for use in cut stencils*

A B C D E F G  
H I J K L M N  
O P Q R S T U  
V W X Y Z &



Will Dwiggins draws letters for  
Title-pages, Book-covers, etc.: *æ æ &*  
*Box Eleven, Center Hingham, Mass.*

a b c d e f g h i j k l m  
n o p q r s t u v w x y z

WILLIAM A. DWIGGINS

Roman Capitals and small letters. A personal variation on Georgian models

A B C D E F G H I  
J K L M N O P Q  
R S T U V W X  
Y Z & M N R Y  
W a b c d e f g h i j  
k l m n o p q r s t u v  
w x θ y z

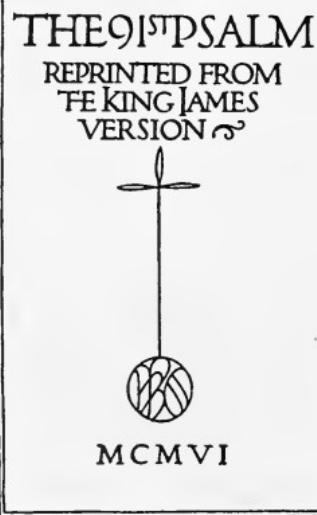
Oswald Cooper

Note the long ascenders of the lower case letters. They give wide white spaces between the lines, permitting an occasional long descender.



## AFOOT AND LIGHT-HEARTED I

TAKE TO THE OPEN  
ROAD, HEALTHY, FREE  
THE WORLD BEFORE  
ME, THE LONG BROWN  
PATH BEFORE ME,  
LEADING WHEREVER  
I CHOOSE. HENCE-  
FORTH I ASK NOT GOD  
FORTUNE—I AM GOOD  
FORTUNE, HENCEFORTH  
I WHIMPER NO MORE  
POSTPONE NO MORE  
NEED NOTHING &  
STRONG AND CON-  
TENT I TRAVEL THE  
OPEN ROAD *Whitman*



**H**E THAT DWEL' LETH IN THE SE' CRET  
place of the most High shall abide under the shadow of the Almighty.

**Y** Will say of the LORD  
He is my refuge & my fortress: my God; in him will I trust.

**S**Urely he shall deliver thee from the snare of the fowler, and from the noisome pestilence.

WILLIAM A. DWIGGINS

*Small book pages, showing freely written capitals*

A B C D E F G  
H I J K L M N  
O P Q R S T U  
V W X Y Z

*A B C D E F G H I J  
K L M N O P Q R S  
T U V W X Y Z*

*a b c d e f g h i j k l m n o p q  
r s t u v w x y z*

abcde<sup>f</sup>ghijklm<sup>n</sup>opq  
rstuvwxyz

FIGURE 39

abcdefghijklm  
ijklmnop  
qrstuvwxyz.  
1234567  
890

T. W. S.

*Roman small letters and numerals. For capitals see Figure 2*

## CHAPTER IV

### *Roman Small Letters*

A N inscription in Roman capitals has a dignified, monumental effect. It belongs with stately architecture. Its style has the quality of carving in stone, rather than of the reed-writing which had originally influenced it. When the inscription is extended to a full page, it becomes difficult to read, as well as difficult to execute. The letters must always be "built-up"; they cannot be written. So for work-a-day purposes the small letter, or minuscule, was evolved.

The classic Roman, written in a round and loose form, became the Uncial. Drifting still further from the architectural style, the "Rustic" appears as a manuscript letter in the fifth century; and along with this came an informal combination of Uncials, with certain strokes carried

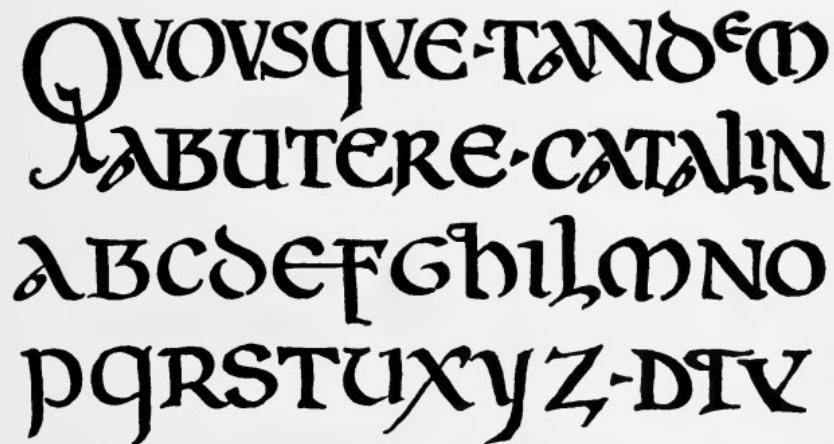


FIGURE 40. *Pen-drawn imitation of classic manuscript showing Uncial characteristics*

well above the line as "ascenders," to which the term Half Uncial is applied. All these variants resulted from the effort to make legible Roman letters that could be produced rapidly — in short, to arrive at a running hand. By the eighth century the capitals were recognized as such, and used, in many manuscripts, only as headings and initials, while the body of the work was done in minuscule — small letters.

The variants through these formative centuries are most interesting, and many of them, especially those of the Uncial order, are in high favor, as examples, among present-day designers.

Toward the final form of the Roman small letters many countries contributed. The Northern variants are often black and spiky, and from them we get our Gothic and black-letter forms; the beautiful lettering of the Irish manuscripts comes of a fine and original treatment of the Half Uncial motive. On the Continent the Emperor Charlemagne took a hand in the matter, officially prescribing the use of the "Caroline" letter.

The invention of printing found a fairly established usage among the calligraphers, distinguishing between capitals of the old form and small letters. Until they were cast in type, however, the small letters had never found a positive or definitive form. The models of the early typefounders, who were merely trying to reproduce, in a new and less expensive process, the work of the calligraphers, were naturally obtained from the best penmen of the day. Within thirty years from the time the first book issued from the press, there were types in both Roman and black-letter, which, in proportion and design, have never been surpassed.

By their history we see that the small letters, or "lower case," as the printers named them, are the newer and commoner form. They still have about them the feeling of the pen and the graver, not that of the chisel. Their broken and irregular word-shape, the wide variation in design from letter to letter, and the inevitable accent of the capitals with which they must always be used, all mark out the field of their usefulness as the common reading medium.

From the nature of their work it appears that the minuscules do not usually require the exactness of execution, either in form or spacing, of the capitals. The individual letters may differ considerably from the typical form, and, so long as they do not fall out of harmony, the result will gain in richness by their variety.

Most students find it possible, with a moderate amount of practice, to draw lower case letters easily enough. The chief difficulty is not in the

aa bb ccc dd  
ee ff gg hih  
jj kk ll mm  
nn oo p qq  
rr sss tt uvu  
ww xx z yy

CHARLES H. BARNARD

*Modern small letters. For capitals see Figure 5*



FIGURE 42. *Diagram showing the ruling of guide lines for the construction of small letters*

individual character, but in holding a block of words to an even "color" or general tone, without irregular "rivers" of white creeping down the page, and without unsightly variations in the sizes of the letters themselves.

In drawing, begin by carefully building up an exercise in letters about a half inch high, with capitals about one inch. Use Figure 39 as a guide, with capitals from Figure 2. The written forms are best undertaken after a careful study of the drawing of the individual characters. The use of vertical guide lines is not likely to be so necessary as when beginning with the capitals, but the horizontal rulings are even more important.

Each line of small letters must be built on at least three guide lines: the base line, on which the body letters rest; the waist line (about half the height of the capitals), marking the tops of the low letters; the capital line, giving the height of the capitals and ascenders. See Figure 42. The drop line, indicating the reach of the descenders, g, p, q, and y, and

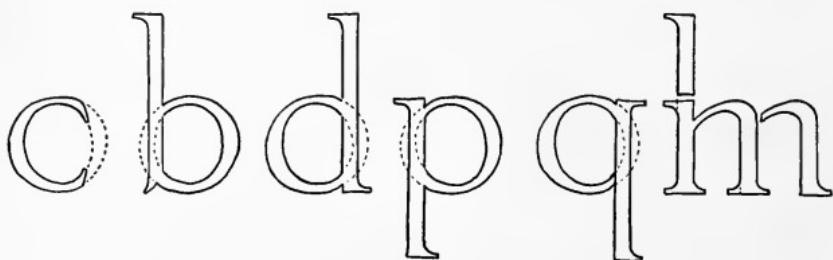


FIGURE 43. *Diagram showing construction of part-round small letters. The curves would, if continued, pass the vertical strokes*

Bright Ply

*Normal weight  
Normal ascenders  
Normal serifs*

Bright Ply

*High ascenders  
Normal weight  
and serifs*

Bright Ply

*Low ascenders  
Normal weight  
and serifs*

Bright Ply

*Light weight  
Normal ascenders  
and serifs*

Bright Ply

*Heavy weight  
Normal ascenders  
and serifs*

Bright Ply

*Long serifs  
Normal height  
and weight*

Bright Ply

*Heavy round  
serifs. Normal  
height and weight*

Bright Ply

*Square serifs and  
nearly equal  
strokes. Normal  
heights*

*Diagram showing methods of varying the small letters*



FIGURE 45. *Diagram showing the direction of strokes in writing small letters*

the T line, giving the height of the t, are frequently omitted in practice, the designer simply estimating the distances.

The simplest method of ruling is that by which the page is lined in equidistant horizontals; the first serves as a capital line, the second as a waist, the third as a base, and the fourth as the ensuing capital line.

The rule for the direction of accented strokes is the same for the lower case as for the capitals. Vertical strokes, and strokes downward from left to right, are heavy; horizontals, and slopes upward from left to right, (excepting the middle line of the z,) are light.

While the small letters show clearly enough their descent from written and engraved metal models, they have constantly to be used with capitals, which developed as stone-carved forms. A test of any piece of lower case work is found in its harmony with the capitals employed. The lower case letters which follow the capital shape the closest (c, o, s, v, w, x, and z) differ chiefly in proportion: the angles are somewhat wider, in order that the white contents may be more readily distinguishable, and the strokes are thicker. The small letters are about half the height of the capitals, yet they must stand in the same line, and be read with equal facility. If the strokes were equal in weight to corresponding elements of the capitals, the lower case line would blacken, and the capitals, with their wide white enclosures, would lose force; if the widths of stroke were reduced equally with the height, all relation would be lost. Hence the small letter is drawn lighter than the capitals, but not enough lighter to make perceptible any difference of tone.

In spacing small letters, one should bear in mind that the eye takes in common words by their shapes, their silhouettes, as it were, rather than by examining the individual letters which compose them. Hence it is desirable to pack the letters fairly close together. Theoretically, type

## WIDE-PEN LETTERS

**F**OR work to be quickly drawn; less formal than the Roman, but quite legible and distinctive.

a b c d e f g h i  
j k l m n o p q r  
s t u v w x y z e.

HARRY LAWRENCE GAGE

*Small letters written with a wide pen. For capitals see Figure 12*

designers hold that the space between the verticals of the lower case m is the unit of space between adjoining letters. But the single stroke letters (i, j, and l) always require more space at each side, and the round letters require less. Where a round or half-round letter stands next to a vertical, a compromise is necessary. The unit only comes into play, literally, when two full letters with vertical sides fall next to each other. A glance at a line of print will show how infrequently this happens. Still the unit may be useful to the letterer in that it provides a guide to reasonable and readable standards of spacing.

Under certain conditions, where it is desirable to produce as large a letter as possible to carry the copy in a given space, it will be found expedient to reduce the space between lines. This may be done, as in Figure 47, even to the point where the ascenders of one line pass the descenders of the line above. In such a case it is necessary now and then to decrease the height of an ascender, or to shift the spacing of a line, in order to avoid conflicts.

In laying out practice exercises it is advisable to undertake panels or pages of a definite measure, to be filled by certain copy, rather than verses, or similar copy in which it is only necessary to keep the left edge straight. The problem of adjusting the copy to the panel, choosing the right height of letter for the work, is part of the task of spacing, and practice in prompt estimating of sizes, and in shifting letters and words, or even whole lines, without undue loss of time and effort, is of great value to the beginner.

Different styles of lower case letters are obtained by varying the relative height and depth of the ascenders and descenders, the height of the letter body, the shape and weight of the serifs, the relative weight of the heavy and light strokes, the width of the letter body, the general weight of color, the shapes of the prevailing curves, and by certain minor effects in setting or constant spacing. A number of such variations are shown in Figure 44.

In all these directions numerous experiments have been made, so that it is readily possible to find any given idea of style repeated in many combinations, from the sanest to the most extreme.

A wide departure from the typical form in any one direction will usually produce an immediate sense of the uncommon. It may be a departure in a reasonable direction, as, for instance, the frequently "discovered" idea of very high ascenders and short descenders, which is based on the observation that we read type chiefly by the upper half of the body.

 YOU are invited  
to visit & The  
Jarvie Shop  
on the First Days  
of its residence in The  
Fine Arts Building.  
Room Six Hundred  
Thirty-eight, Friday  
and Saturday the nine-  
teenth and twentieth  
of May. The Jarvie  
Candlesticks and other  
Craft Work will be  
shown.

FIGURE 47. *Announcement in Roman  
small letters, showing close spacing  
between lines*

CHARLES H. BARNARD

Here a difficulty develops with the capitals. When the idea is carried to the extreme, these become so high as to overpower the small letters following.

Similarly a change of style by changing the proportions of the thick and thin strokes has its limitation. When the weights become too nearly equal, the color of the low letters becomes too heavy, and the design suffers

**Fred S. Bertsch  
& Oswald Cooper  
ten years at Room 718  
Athenaeum Building  
59 E. Van Buren Street  
have moved across  
the hall to Room 703  
and they have a new  
telephone number  
Harrison 5889**

**May  
1914**

FIGURE 48. *Announcement in heavy Roman small letters*  
**OSWALD COOPER**

an immediate loss of elegance; when the light strokes become too thin, the page wearies the eyes. In all the other vital characteristics the same need of holding to the golden mean will be found to prevail.

In spite of these conditions, the lower case is a rich field for individual and original effort. A designer of strong personality seldom uses one style for any considerable length of time without developing in it a new set of minor variations, making the letter at last as personal as his own handwriting — which, indeed, it is. This is the condition under which the most interesting styles are produced, — the unconscious influence of a personal taste on a reasonable form.

A B C D E F  
G H I J K M  
L M N O P Q  
R S T U W  
V X Y Z  
a b c d & e f g h i  
j k l m y n o p q  
r s t u v w x z  
1 2 3 4 5 6 7 8 9

HARRY LAWRENCE GAGE

*Heavy Capitals, small letters, and numerals, adapted to wood block and linoleum cutting*

a b c d e f g h i j k  
l m n o p o r s t u  
v w x y z  
1 2 3 4 5 6 7 8 9 0

THEN interpret it  
as your own.  
Handlettering should  
be as individual as  
handwriting



# Lower Case



a a b b c c d d e e  
 f f g g h h i j j j  
 k l l m m n n o p p  
 q r s f f t u v v v  
 w x y y z œ tu



Far different these  
 from every former  
 scene; the cooling  
 brook, the green,

# Brothers of the Book MISCELLANEA

---

## The Links of Ancient Rome

By Payson Sibley Wild  
and Bert Leston Taylor

---



---

Privately printed for the Brothers  
of the Book-Fine Arts Building-Chicago

1912

abcdefghijklmn  
opqrstuvwxyz  
1 2 3 4 5 6  
7 8 9 0

NORMAN P. HALL

*Heavy modern small letters. For capitals see Figure 30*

FIGURE 54

abcdefghijklmno  
pqrsuvwxyz  
He called  
for his Fid-  
dlers iii.

*Small letters after Charles Robinson. For capitals see Figure 23*

Zum Schreiben künstlerischer Schrift benutzt man am zweckmäßigsten Scribtol, eine leicht aus dem Schreibwerkzeug fließende Flüssigkeit, die von der bekannten Firma GÜNTHER WAGNER Hannover und Wien, hergestellt wird.

a b c d ð e f g h i j k l m n ñ o p q r,  
s t u w x ç y z ? :, F — inis

FIGURE 56

A B C D E F G H I J K L  
M N O P Q R S T U V  
W X Y Z

a b c d e f g h i j k l m n  
o p q r s t u v w x y z  
1 2 3 4 5 6 7 8 9 0

A B C D E F G H I J K L  
M N O P O R S T U V  
W X Y Z

a b c d e f g h i j k l m n  
o p q r s t u v w x y z  
1 2 3 4 5 6 7 8 9 0

HARRY LAWRENCE GAGE

*Unaccented and accented alphabets and numerals, designed for rapid use*

**N**ONNE vos dicitis,  
quod adhuc quatu-  
or menses sunt, et  
messis venit? Ecce dico vo-  
bis: Levate oculos vestros,  
et videte regiones, quia al-  
bæ sunt jam ad messem. +  
ET qui merit, mercedem  
ABCDEFGHIJKLMNOP  
QRSTUVWXYZJ &   
abcdefghijklmnopqrstuvwxyzst:  
uvwxyzst:;♦:;:=; 

*Modern Capitals and small letters influenced by Venetian type designs. May be written with the wide pen*

# SINGLE-STROKE CAPITALS

A B C D E F G H I  
J K L M N O P Q  
R S T U V W X Y Z

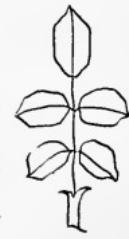
The small letters should be packed closely together in forming words  
a b c d e f g h i j k l m n o p q r s t u v w x y z

# SHADED CAPS.

A B C D E F G H I J K L M N O P  
Q R S T U V W X Y Z 1 2 3 4 5 6 7 8 9



These letters acquire a character from the nature of the tool used—a steel pen of medium size—



# FREE • PEN • ALPHABETS BASED • ON • CLASSIC • FORMS



AN·ALPHABET·OF  
MODERN·GERMAN  
FOR·RAPID·USE·OF  
REDIS·PEN·POINT  
SIMPLE·EFFECTIVE  
Abcđđerghijklmn  
opQRSTUvwxyz

HELEN E. HARTFORD

*Free small letters after the modern German*

Führren Sie bitte  
den Quellstift,  
leicht und ohne  
nennenswer-  
ten Druck.



Modern German linked small letters

## CHAPTER V

### *Italics*

THE italic form came of the need for a rapid, cursive letter—the need which produced all the various families of small letters. While the calligrapher dealt in chronicles and Books of Hours, a slow and patiently-made letter served. But the literary men of the Renaissance burned with a desire for expression, and made for themselves a style of writing that could be used before the inspiration cooled. The patrons were also to be considered: a poem gained much from being clearly and gracefully written out. The times required that the work of scholars be done in a beautiful manner. The printers, when they came upon the scene, followed the fashion, and certain Aldine books, printed wholly in Italic (a style traditionally founded on the hand-writing of Petrarch, but engraved for type by Francesco of Bologna), attained and still hold a very high reputation.

The Spanish writing books of the sixteenth century furnish many beautiful italic forms, some of them verging upon linked script, and provide explicit directions for the writing of the letters stroke by stroke.

To the student who wishes to attain skill in direct writing, rather than in the more laborious and exact method of building up letters, a careful study of the italic is to be specially recommended. The forms, being immediately derived from written work, and never deeply influenced by any carved style, adapt themselves readily to the pen; and a mastery of them is excellent preparation for the more difficult Roman forms. The student should prepare himself, however, in both fields, by carefully building up a few exercises, on a scale larger than is possible to single-stroke writing, in order that he may investigate the actual drawing of the letters before attempting to write them directly.

In ruling for italics, one should draw a series of slant lines over the page, to avoid variations in the angle. These lines should be perfectly parallel, but may be at any interval. The most convenient method is to

FIGURE 61

Alphabet  
abcdefghijklm  
klmnopqrst  
uvwxyz  
D.1694 &

FRANK CHOUTEAU BROWN

*Incised English script, from "Letters and Lettering"*



FIGURE 62. *Italic Capitals.* For small letters see Figure 58

T. W. S.

set the paper obliquely on the drawing board, so that the T-square will fit the angle; when the slant lines have been ruled, the paper is reset in a vertical position.

There is no exact or authoritative angle of slope. In extreme styles the angle becomes as great as twenty-five or even thirty degrees from the vertical. From twelve to twenty degrees may be considered the normal range.

In estimating the space required by a given copy, it is safe to assume that the italic will take less than the Roman. In character it is affected by all the means employed to vary the Roman, and in addition to these, by a number of hand-writing features, turned-up serifs and the like. In its most formal style it is simply the Roman letter slanted. Where individuality is desired it leans toward script.

Italic is usually well suited to work which suggests a casual or spontaneous motive. While not so legible at long range as Roman, it has an effect of emphasis combined with elegance not easily obtained in any other way. In the form of a nearly vertical script-italic, drawn up in panels, a quaint dignity appears in it. A greater slant and some judicious flourishing of the capitals gives one a rather elaborate medium which was beautifully used by the Louis XV engravers. It may also be effectively used in connection with Roman, following the Georgian or Colonial fashion; in this the italic is somewhat flourished, and is reserved for connectives and unimportant words, the Roman capitals serving for emphasis. Where used with many italics, the Roman should be varied somewhat — the round letters being accented in the direction of the italic slant.

The invention of the typewriter has, to a large extent, done away with the practice of beautiful court hands and engrossing scripts. While penmanship is doubtless more rich in individual character than ever, beauty has passed from its fashion. The student will find more suggestive material, of assistance in developing fine script letters, and thence italics, in old and official chirography.

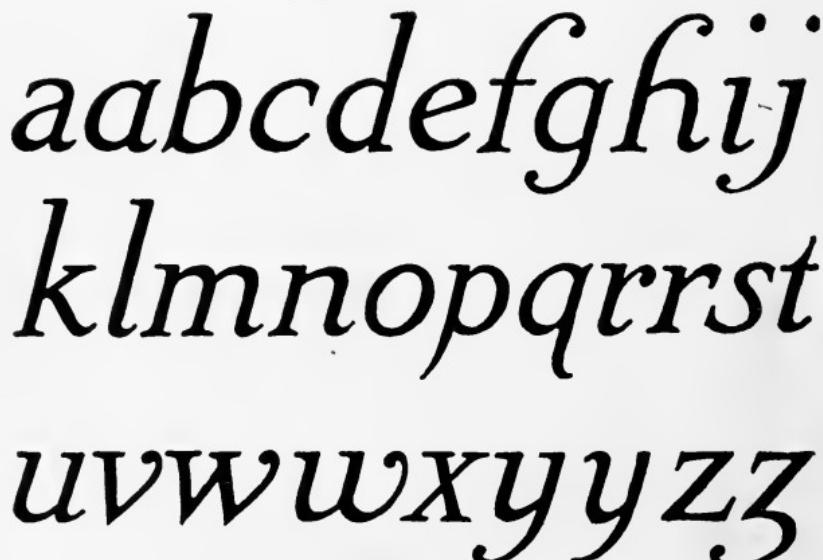


FIGURE 63. *Italic small letters.* For capitals see Figure 62.

T. W. S.

A B C D E F  
G H I J K L  
M N O P Q R  
S T U V W X  
Y Z & et cetera  
a b c d e f g h i j k l m  
n o p q r s t u v w x y z

LAWRENCE ROSA

*Italic-script Capitals and small letters. A fine variant of the French engraver's manner*

FIGURE 65

A B C D E  
F G H I J K  
L M N O P  
Q R S T W  
U V X Y Z

A B C D E F G  
H I J K L M N  
O P Q R S T U  
V W X Y Z &.

Taste & space  
Orator Man  
Simplicity in  
Arrangement  
hover, Unique  
f w k j x y z d b

M. ELIZABETH COLWELL

*Italic Capitals and small letters*

A B C D E F G H I J  
 K L M N O P Q R  
 S T U V W X Y Z

*"The years at the spring  
 And days at the morn;  
 Mornings at seven;  
 The hillsides dew-pearled;  
 The larks on the wing;  
 The snails on the thorn:  
 God's in his heaven—  
 All's right with the world!"*

a b c d e f g h i j k l m n o p q r s t u v  
 w x y z    & 1 2 3 4 5 6 7 8 9 0

abcdefghijklmnopqrstuvwxyz-01234567  
89-gehen, fallen, sanft  
A B C D E F G H I J K  
L M T O P Q R S T U  
V W X Y Z - Abel, Ur.

Beachten Sie bitte in  
meinem zweiten ~  
Schaufenster die Aus-  
stellung eleganter Früh-  
jahrs-Neuheiten ~

FIGURE 69

*A B C D E F G*  
*H I J K L M N*  
*O P Q R S T*  
*U V W X Y Z*  
*a b c d e f g h i j k*  
*l m n o p q r t u v*  
*W X Y Z 1 2 3 4 5*

NORMAN P. HALL

*Italic Capitals, small letters, and numerals*

*abcdefghijklmnopqrstuvwxyzwx*  
*12345 ~yz~ 6789IO*  
*ABCDEFGHIJKLMNOP*  
*QRSTUVWXYZ*

*Seit in den letzten Jahren die ho-  
he Kunst des Quattrocento zu ih-  
rem vollen Rechte gekommen ist,  
haben sich auch die Sammler der  
Majolikakunst mit Vorliebe den  
Anfängen dieser Kunstuübung zu*

FIGURE 71

Caslon Oldstyle Italic No. 471

(From the original matrices, except the Swash Characters, which are  
recently adapted from an ancient source)

A B C D E F G H I J K  
L M N O P Q R S T U  
V W X Y Z & Æ œ  
£ 1 2 3 4 5 6 7 8 9 0 \$

a b c d e f g h i j k l m n o p q r  
s t u v w x y z æ œ Æ ff ffi fl  
k v w z ffi fl

Æ B C D E G K L  
M N P R V &

## Cloister Italic

A B C D E F G H I J

K L M N O P Q R S T U V

W X Y Z &

a b c d e f g h i j k l m n o p q r s

t u v w x y z v w k d t s t f i f f f l

\$ 1 2 3 4 5 6 7 8 9 0

A B D E G F M N P

Q u R T V Y

## Pabst Italic

A B C D E F G H I  
J K L M N O P Q  
R S T U V W X Y  
Z & Qu £ \$ A  
B D G M N P R T  
1 2 3 4 5 6 7 8 9 0 .  
a b c d e f g h i j k l m n o p  
q r s t u v w x y z f f f f f f

## CHAPTER VI

### *The Gothic Forms*

**I**N the course of its decline the classic Roman letter went through many changes, taking on characteristic styles in many lands. Some of these were of great beauty and interest, but so far from the letters with which we are familiar as to be virtually illegible to us. One, however, attained a fairly definite form, and was used with considerable regularity for centuries; this was the Uncial, which was also known as the Lombardic letter.

As this style spread northward it came to be written in a more condensed form, very heavy, with spiky terminals; — the usual result in variations of a Germanic origin. This variant called Black-letter was strong and rich, but not legible except to the experienced eye. In using it for missals and Books of Hours it became convenient, because the contents of a page could not be taken in at a glance, to mark the initials strongly; also the letters beginning the separate verses. Thus the capitals became extremely heavy and complicated in design.

At the time of the invention of printing, Black-letter and the more open variants were in common use. Many of the earlier types were founded on these letters. Caxton took six different fonts of them to England. Jenson gave up the use of his beautiful Roman letter for them, because they saved space. In Germany they survive in common use, scarcely altered from the types cut by Peter Schoeffer of Mainz, except in some loss of virility.

In the nomenclature used by printers and type-founders these letters are called Old English, or Text. Historically they are called Gothics. As the historical name relates the style correctly to the use of the word Gothic in the arts, it will be used here, since we are considering letters and not types. (In printing, a square sanserif Roman, with strokes of equal weight, is called Gothic.) To distinguish further, the heavy forms of letters in which the black stroke overpowers the enclosed white, will be referred to as Black-letter; the more open forms as Round Gothic.

The Uncial letter, shifting through the Half Uncial, bridged a gap between the classic Roman capitals and the small letter. This Uncial,



ALBERT DÜRER, 1500

Black-letter Capitals and small letters

while essentially a capital, has no small letter of its own, since the Gothic small letter is a later development. But the Uncial as the ancestor of the Gothic or Text capital, may properly be used with Gothic small letters.



FIGURE 75. *Black letter written with a wide pen*

HARRY LAWRENCE GAGE

The Gothic capital in fact, grew out of this association of Uncials with Black-letter; its chief object was to mark a place, to emphasize a beginning. It grew heavy and complicated, isolating itself from the general tone of the page. Its history and design alike forbid that it be used alone.



FIGURE 76. *Modern German Round Gothic capitals, small letters and numerals*

To state the matter again. Uncials (Lombard Gothic Capitals) may be used solid, without small letters. Uncials may be used as capitals with Round Gothic or Black-letter small letters. Round Gothic and Black-letter capitals (Old English) must be used with small letters, never as solid capitals. To the last statement an experienced designer may find an occasional exception. It does not apply to the simpler forms, in which the Roman influence is strongly felt, such as the Troy and Chaucer types of William Morris.

Gothic letters afford a greater variety than other styles, chiefly because they were never fully developed. The plainer forms of Round Gothic and Black-letter may be executed easily — written, in fact — with a wide stub or quill pen. This accomplishment requires some practice, however, and careful ruling-up, both with horizontal and vertical guides. See Figure 83.

Black-letter is an open field for the letterer because it is not practicable to produce its best effects with type. At its height it is a rich, virile style, bound closely together, letter to letter, and legible only to the accustomed eye. Hence one should be careful to employ it only in brief inscriptions, or in combinations easily recognized by the average reader.

It is not necessary to cumber the memory with the intricate drawing of the Text capitals. The Uncial form, on the other hand, is easily drawn and can be frequently used, as can also the plainer styles of Round Gothic and Black-letter. The drawing of these should be thoroughly mastered and practiced by the student of lettering.

## Cloister Black

A a B b C c D d E e F f

G g H h I i J j K k L l

M m N n O o P p Q q

R r S s T t U u

V v W w X x Y y Z z

æ ll

\$ 1 2 3 4 5 6 7 8 9 0

FIGURE 78

A B C D E  
F G H I R  
L O N O P  
Q R S T U  
W X Y Z

a b c d e f g h i k l m n o p q r s t  
f u w x y z .

*From a 14th Century MS.*  
*Uncial Capitals with narrow Gothic small letters*

A B C D E  
F G H I J  
K L O N O  
P Q R S T  
A V C A X  
Y Z M O

A B C D E  
F G H I J Y  
K L M N O  
P Q R S T  
U V W Z :

HARRY LAWRENCE GAGE

*Italian Gothic Capitals. Adapted from an inscription in silver repoussé*



CHARLES H. BARNARD

*Original variations on a Gothic Alphabet*

Gomb of Richard  
Second. A B C D  
E F G H I J K L  
M N P Q R S  
U V W X Y Z  
A b c d e f g h i j k l m n  
o p q r s t u v w x y z



HARRY LAWRENCE GAGE

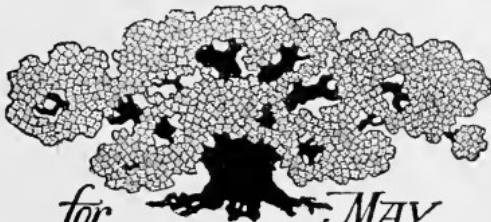
*Gothic Capitals and small letters written with a wide pen*



M. ELIZABETH COLWELL

*Design in Gothics. The original was printed with the outline in red*

# The International Studio



*for* MAY.

An Illustrated Monthly Magazine of  
FINE & APPLIED ART Edited  
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WILL BRADLEY

Cover design showing an interesting use of Italics

## CHAPTER VII

### *The Practical Problem*

**W**HEN you have chosen the proper style for a given piece of work, you have taken the most important step toward the perfect end. What remains to be done is matter for skill, and skill alone; the choice of the style, the original plan, involves taste and invention as well as skill. Since taste and invention cannot be had from a book we shall make no futile efforts to explain their application. But, eliminating as far as possible the element of personality, a plan of attack may be given.

Let us suppose a problem. A title-page for a privately printed edition is ordered; the copy is as follows:

ANDREA DEL SARTO  
*Called the Faultless Painter*  
A POEM BY ROBERT BROWNING

The copy may be used in full, or only the essential words; information about the printer and publisher should be reserved for the colophon.

The title and matter of the book may suggest an old Italian Gothic, as shown in Figure 8o. If the title-page is to be hand lettered, type effects are evidently not wanted, and this letter has not been successfully reduced to type. In fact its best use from the beginning, has been mural and decorative. In spacing it is not extremely flexible; so we assume a simple arrangement of the copy, and fill the short lines with florets in keeping with the letter, and pencil the copy in a close block. The result has a certain "fifteenth-century feeling," but is decidedly black. Some effort may be made to relieve this quality by the use of a rule, leaving considerable white space around the letters, and reducing their size in proportion. Still they are black. We might improve the proportions of the page, but this characteristic would remain. It may be taken to indicate that these letters are best adapted for use in places where strong color contrasts are not to appear, or where great blackness is desired. On a colored cover paper, printed in medium tones, they might serve

better, but to the modern eye they remain somewhat difficult. For reference, let the note be inked in, roughly, as in Figure 86.

Leaving the more formal manner for a moment, we may attempt a simple arrangement using a free Roman capital form derived from the lower-case, Figure 88. This presents the title in a simple, unassuming fashion, and leaves abundant space for decoration of almost any sort. But we cannot fail to see that this is too casual. The right thing is not to be done so easily. However beautifully we may decorate the page, the inscription itself, the central motive, will lack the dignity that is its prime reason for being.

Laying aside, for the present at least, the possibilities of the solid block of capitals, an experiment with a modern form may be made, using the ribbon inscription which is so popular with some English publishers. By this means we succeed in calling proper attention to the words "Andrea del Sarto" and "Robert Browning," setting the subsidiary words back against the field. In this line of work it will usually be found necessary to add something in the nature of floral or conventional pattern, in order to hold the ribbons together; or this end may be accomplished in a still simpler fashion by ruling of an architectural character. Some attraction could easily be added in a little clever handling of the ribbons, giving them an effect of relief; but this, being factitious and apart from any real accomplishment with the inscription, would only carry us still further from our object, which is to arrive by continued experiment at a just and workmanlike solution of the problem.

Looking back at the complete copy, we can scarcely fail to see in the phrase "Called the Faultless Painter," a suggestion leading to the Georgian or Colonial style. A few minutes' work in this direction will produce a sketch similar to Figure 89, possessing a slight resemblance to old work and having about it a quaint sense of variety. While we feel sure this might be improved considerably in detail, it serves to show that the manner and matter do not suit one another, even if we apply no other test than an elementary historical one.

When we experiment with this title in Black-letter, we shall find it profitable to divest the copy of all superficial matter. The average reader has no such aversion to Black-letter as is usually credited to him, but he demands it in small doses, that he may feel its rich, decorative effect without encountering difficulty in reading. Using the copy in its shortest form, and selecting an old English Gothic (following the excellent ren-

FIGURE 86

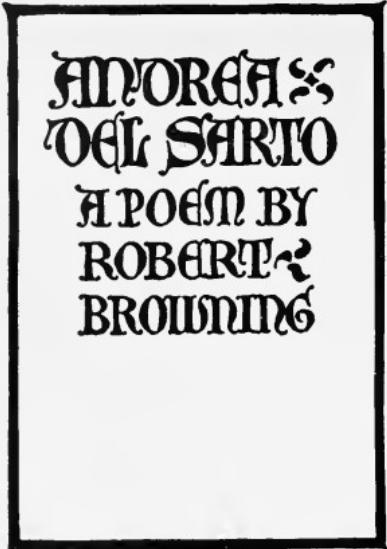


FIGURE 87

ANDREA DEL  
SARTO A POEM  
BY ROBERT  
BROWNING



Called The  
Faultless Painter

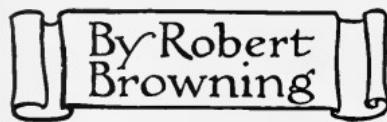


FIGURE 88

ANDREA  
del SARTO

Called The  
FAULTLESS  
PAINTER A  
POEM  
by ROBERT  
BROWNING

FIGURE 89

dering by Mr. Frank Chouteau Brown, Figure 82), we obtain a page similar to that suggested by Figure 90. This is more promising, and a little experimenting in shifting the relative positions of the title words might reveal something still more pleasing.

But there still remains the opportunity to use, in perfect harmony with the text, the Renaissance Roman letter. It will bring up some special



*Robert Browning*

FIGURE 90

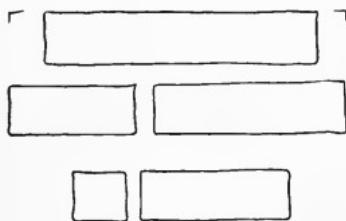


FIGURE 91

difficulties, among them a demand for more careful execution than all the others. It will be plain and not far removed in character from the capitals of some of our best types; in fact the chief advantage over type in the page we propose will be the superiority of free spacing and an absolute choice of proportions.

Beginning with a mere suggestion of the spaces filled by the words we arrive at a note like that shown in Figure 91. This is, of course, one of a large number of possibilities in arrangement, as the optional copy leaves us a wide latitude in that direction. Following this sketch, however, one obtains a page like Figure 92.

The foregoing section, which may seem very elementary to the experienced reader, does not present the only way of arriving at the given con-

ANDREA  
DEL SARTO  
A POEM

ROBERT  
BROWNING

clusion, nor is any single step mentioned either necessary or inevitable. But for the craftsman whose work in this field is beginning, some specialized, concrete exemplification of principles must be made.

From this we may deduce a more general expression. In any piece of lettering the object to be achieved is the presentation of a given inscription in the most suitable and beautiful manner. That the inscription may be suitable and beautiful, we should first determine its relative importance. If it be the vital part of the design in which it stands, everything else should be subordinated to it. If it be merely explanatory, nothing can excuse the arrogance which permits the lettering to draw attention from the main issue. When the value of the inscription is determined, its placement must be effected in exact accord with this, regardless of the temptation to "give the lettering a show."

For beauty, harmony between the lettering and ornament is of course essential. But since each problem presents this question anew, the general principles could scarcely be presented except in connection with a study of ornament. The discerning student will of course recognize that a decision on the basis of historical association cannot fail to be helpful; he will also see that the Romans represent the plain form, that Gothics bring into the inscription a sense of elaboration, and Italics a feeling of script-like informality.

## CHAPTER VIII

### *Phases of Letter Design*

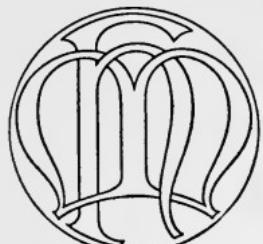
**J**UST as the forms of letters are strongly influenced by the manner of their making — building-up or writing — so their values as ornament have been similarly affected. The styles which attained their height in carved stone, as the classic Roman, carry with them the mark of the architect, and incidentally are still preserved in their purity by architects.

The carved letter, when rendered on paper, naturally becomes a built-up letter. It suggests dignity and permanence. The Italic forms, more swiftly written, suggest grace and informality. One has only to use the different forms as head lines for a body of small letters, in order to see how strongly each manifests its character. With the Roman capitals, the whole inscription takes on an air of sober regularity, as of Roman building; with the Gothic, a richer and more decorative look, suited, by long typographical association, to churchly uses; and with the Italic, the whole inscription becomes more casual, perhaps even, if the Italic be flourished, fantastic and gallant.

These characteristics of the various letters should of course be used to the advantage of the work to be designed. But the letters themselves may offer decorative possibilities beyond those of mere association.

In type, each letter has its own field, and its own work to do. Begin drawing it, and you find that it may also fit itself into a piece of ornament. Carry this a little further, and you begin making ornamental designs, usually monograms and ciphers, out of the letter forms themselves.

In designing pages one often needs a decorative spot to occupy a certain space or "field." One may draw a conventionalized flower form or a bit of abstract ornament, taking care that it harmonize in tone and measure with the letters. Or one may take a certain combination of letters themselves, and weave them into a monogram, equally decorative,



HM



VW



OOA



S &amp; C°



HA



E &amp; D



GF



NNJ



FFO

E. A. TURBAYNE

*Monograms from "Monograms and Ciphers"*

and at the same time significant in connection with the rest of the design. In doing this the chief consideration is of course that an interesting spot, a pleasant and effective shape, shall result. But if it is also necessary that the meaning of the constituent letters shall be clear, then their order and legibility have also to be considered.

Facility in arranging monograms and ciphers is so valuable to the craftsman that some time may well be devoted to such practice. Some combinations of letters give happy results with little study; others prove difficult and intractable. For trade purposes, the metal-chaser's method of interlacing flourished Italics is perhaps the easiest and surest, but this arrives at a conventional result, lacking in interest and variety. A legitimate monogram of Roman letters is one in which some stroke of each letter serves also as a stroke in one of the others; and the whole is excellent as it possesses a characteristic shape and a piquant or ingenious division of spaces. In ciphers the idea of interest as ornament is carried still further, legibility without the key to the design being abandoned.

In practical work, one should begin by setting down the letters of the problem in capitals, in small letters, and perhaps in Uncials. Thus all the shapes with which one may play are evident. Take the capitals and try them superimposed, feeling for strokes which may be common to two of the letters; then try them partially superimposed, in a triangle. Some of the most successful monograms are built at the top of a long vertical stem, and are apparently almost symmetrical. If an interesting result does not appear among the capitals, try the small letters; then the Uncials. The monogram should not, as a rule, mix the forms, though occasional fortunate combinations of capitals and small letters, harmonized in a measure by giving the whole an informal treatment, may be found. One should examine the problem to find out how many of the letters involved are symmetrical, or readily reversible. The result, barring the accident of the very easy combinations, will serve as a test of the student's invention, power of design, and knowledge of the letter forms.<sup>1</sup>

Exercises of this sort, which tend to develop in the student a feeling for beauty and design in lettering, are to be highly recommended. In fact, a quickened and critical alertness in regard to all the uses of letters should be cultivated. Fine letter forms are occasionally to be discovered upon

<sup>1</sup> NOTE. The subject of monograms is well illustrated in Turbayne's "Monograms and Ciphers" (Published by The Prang Company), and in French & Meiklejohn's "The Essentials of Lettering."

# THE ISLAND IN SUNSET BAY

FIGURE 94. *An example of combined letters and monograms in a title*

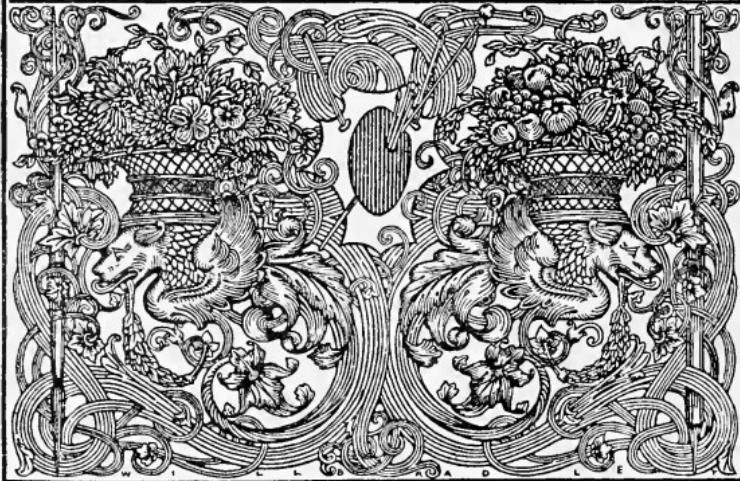
sign boards and tombstones, and dull and commonplace ones upon pretentious buildings. The most fertile field of observation, especially in recent years, is that of typography. Some of the most skillful living craftsmen adorn with letters the advertising pages of the magazines, and even, in some cases, the advertising cards in the street cars.

Many modern types are of great interest to the letterer. Some of these are not readily obtainable for study, being held as the private property of great presses or of the designers themselves. In this class one might mention the two designs made by William Morris for the Kelmscott Press; the beautiful Doves Press type of Emery Walker; the free and unusual "Humanistic" fount designed by Mr. William Dana Orcutt; Mr. Bruce Rogers' grave and dignified "Montaigne," cut for the Riverside Press; Mr. Ralph Fletcher Seymour's personal type; and a number of the faces designed by Mr. Frederick W. Goudy. Mr. Goudy has gone further, however, and has worked out many faces, all strongly impressed with his personality and craftsmanship, for the regular channels of the trade. These types, and the lifelong experience of authentic artists in the designing of letters which lies behind them, have exercised a deep influence upon current typography. The student will find much to admire in the common work of the day, as well as in the writing of classic and Renaissance masters.

It is, in fact, the strength of present work that requires of the student resourcefulness and a high standard of execution. To be slipshod is out of the question; to be merely correct and impersonal is likewise to fall short. The craftsman who would succeed must contribute achievements at once learned and individual.

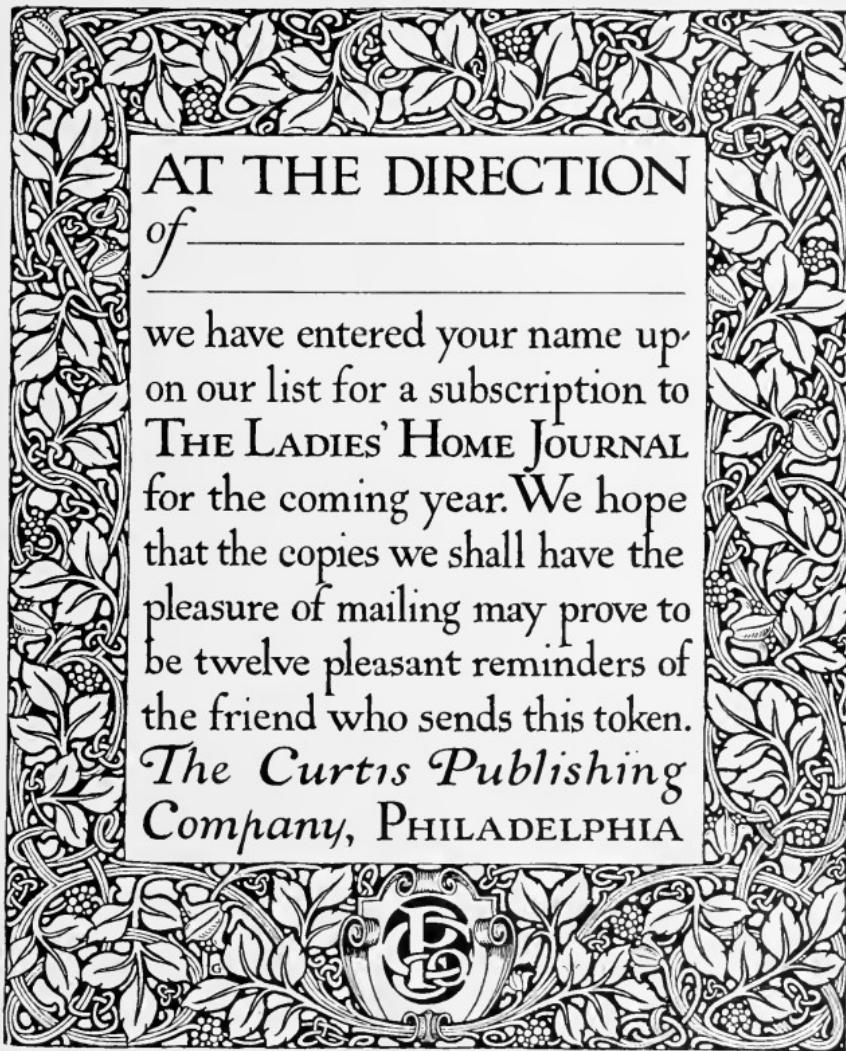
# The INTERNATIONAL STUDIO

An Illustrated Monthly Magazine of FINE & APPLIED ART Edited by CHARLES HOLME Published by JOHN LANE The Bodley Head at 140 Fifth Ave New York Price 35 cents Yearly Subscription \$3.50 post paid



Cover design in the Georgian style

WILL BRADLEY



FREDERICK W. GOUDY

*Lettering with border*

A B C D F E  
G H I J K L M  
N O P Q R S T  
U V W X Y Z

a a b c d e e f g b b  
i j k l m m m n n o p q  
r s t t u v w x y z

## Caslon Oldstyle Roman No. 471

(From the original matrices)

A B C D E F G H

I J K L M N O P Q

R S T U V W X Y

Z Æ œ &amp;

a b c d e f g h i j k l m n

o p q r s t u v w x y z ct

æ ff fl ffi ffi œ

\$ 1 2 3 4 5 6 7 8 9 o £

THE IMPORTANCE OF THE UN-EQUAL SPACING OF CAPITALS OF IRREGULAR SHAPE IS OFTEN UNDERRATED · FAULT IS SOMETIMES FOUND WITH CAPITALS AS AWKWARDLY FITTED WHEN THE COMPOSITOR IS AT FAULT · HE DOES NOT SEE THAT IT IS HIS DUTY TO RECTIFY BY SPACING THE GAPS PRODUCED BY COMBINATIONS OF TYPES OF IRREGULAR SHAPE · THE EXPERT TYPE FOUNDER DOES ALL HE CAN IN THE DESIGN AND FITTING OF THE FACE ON ITS PROPER BODY TO PREVENT NEEDLESS GAPS · BUT HE CANNOT MATERIALLY ALTER THE SHAPE OF AN IRREGULAR CHARACTER ·

## KENNERLEY OLD STYLE

Mr. Bernard Newdigate writing on "British Types for Printing Books" in *The Art of the Book*, has to say of Mr. Goudy and the Kennerley type: Intelligent study of Italian models also gives us the Kennerley type designed by the American, Mr. Goudy. This type is not in any sense a copy of early letter, it is original. Besides being beautiful in detail his type is beautiful in the mass; and the letters when set into words seem to lock into one another with a closeness common in the letter of early printers, but rare in modern type. Since the first Caslon began casting type about the year 1723, no such excellent letter has been put within reach of English printers. (This is 24 pt. size.

FIGURE 101

Pabst Oldstyle

A B C D E F G H I  
J K L M N O P Q  
R S T U V W X Y  
Z Æ œ & £

a b c d e f g h i j k l m n o p  
q r s t u v w x y z æ œ ff  
fl ffi *The and of* fi ffi

\$ 1 2 3 4 5 6 7 8 9 0

## Cloister Oldstyle

A B C D E F G H I J  
K L M N O P Q R R  
S T T U V W X Y  
Z & Qu §

a b c d e f g h i j k l m n o  
p q r s t u v w x y z ð ð f i ð

i 2 3 4 5 6 7 8 9 0  
1 2 3 4 5 6 7 8 9 0

$$M \in \mathbb{R}^{n \times n}, \quad \gamma_j = \sqrt{\lambda_j^2 + \epsilon^2}$$

10





